PATENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE
Date of mailing (day/month/year) 22 September 1999 (22.09.99)	in its capacity as elected Office
International application No. PCT/GB98/03875	Applicant's or agent's file reference APB/MER/P605
International filing date (day/month/year) 22 December 1998 (22.12.98)	Priority date (day/month/year) 22 December 1997 (22.12.97)
Applicant	
KOBYLECKI, Ryszard et al	
1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 22 July 1999 (2)	Examining Authority on: 22.07.99) national Bureau on:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

S. Mafla

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year)
23 August 1999 (23.08.99)

International application No.
PCT/GB98/03775

International filing date (day/month/year)
16 December 1998 (16.12.98)

Applicant
PRINGLE, Ashley, Ker et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	12 July 1999 (12.07.99)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
٠	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Lazar Joseph Panakal

Telephone No.: (41-22) 338.83.38



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		f Transmittal of International Search Report		
545P78017	ACTION (Form PC1/ISA/2	20) as well as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/GB 98/03775	16/12/1998	16/12/1997		
Applicant				
UNIVERSITY OF SOUTHAMPTON	et al.			
according to Article 18. A copy is being tra	n prepared by this International Searching Autransmitted to the International Bureau.	nority and is transmitted to the applicant		
	2			
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report		
it is also accompanied by	a copy of cach phot art document cited in this	терот.		
Basis of the report				
a. With regard to the language, the language in which it was filed, unlo	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the		
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this		
		ternational application, the international search		
was carried out on the basis of the contained in the internatio	nal application in written form.			
filed together with the inte	rnational application in computer readable form	1.		
furnished subsequently to	this Authority in written form.			
furnished subsequently to	this Authority in computer readble form.			
	sequently furnished written sequence listing do s filed has been furnished.	pes not go beyond the disclosure in the		
the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been		
2. Certain claims were four	nd unsearchable (See Box I).			
3. Unity of invention is lack	king (see Box II).			
4. With regard to the title,				
X the text is approved as sul	bmitted by the applicant.			
the text has been establish	ned by this Authority to read as follows:			
·				
5. With regard to the abstract,				
the text is approved as submitted by the applicant.				
	ned, according to Rule 38.2(b), by this Authorit date of mailing of this international search rep			
6. The figure of the drawings to be publi	shed with the abstract is Figure No.			
as suggested by the applic	cant.	None of the figures.		
because the applicant faile	ed to suggest a figure.			
because this figure better	characterizes the invention.			

PCT/GB 98/03775

A. CLASSI IPC 6	FICATION OF SUBJECT MATTER C07C237/10 C07C257/14 A61K31/1	155 A61K31/16				
According to International Patent Classification (IPC) or to both national classification and IPC						
	SEARCHED		· · · · · · · · · · · · · · · · · · ·			
Minimum do IPC 6	commentation searched (classification system followed by classification ${\tt C07C-A61K}$	on symbols)				
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields se	parched			
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.			
X	WO 91 00853 A (NEW YORK UNIVERSIT 24 January 1991 see claims 6,22,41	ΓΥ)	1			
X	WO 93 12777 A (NEW YORK UNIVERSIT 8 July 1993 cited in the application see page 13 - page 17; claim 20	ΓΥ)	1			
Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed	in annex.			
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "B" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the principle or theory underlying the cited to understand the princi						
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report			
25	9 March 1999	07/04/1999				
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized officer Kapteyn, H						

INTERNATIONAL SEARCH REPORT

rmation on patent family members

ernational Application No
PCT/GB 98/03775

Patent document cited in search report	t	Publication date		Patent family member(s)	Publication date
WO 9100853	А	24-01-1991	AU CA EP GR US US JP PT	5957390 A 2062810 A 0597830 A 90100509 A 5432202 A 5242947 A 5500357 T 94580 A	06-02-1991 04-01-1991 25-05-1994 10-12-1991 11-07-1995 07-09-1993 28-01-1993 20-03-1991
WO 9312777	Α	08-07-1993	US AU US	5242947 A 3428393 A 5432202 A	07-09-1993 28-07-1993 11-07-1995

ATENT COOPERATION TREAT

RECEIVED

0 9 APR 1999

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

FORMALITIES DE

To: NOTIFICATION OF TRANSMITTAL OF MARKS & CLERK THE INTERNATIONAL SEARCH REPORT Attn. TUBBY, D. OR THE DECLARATION 57-60 Lincoln's Inn Fields London WC2A 3LS (PCT Rule 44.1) UNITED KINGDOM Date of mailing (day/month/year) 07/04/1999 Applicant's or agent's file reference EOR FURTHER ACTION See paragraphs 1 and 4 below 545P78017 International application No. International filing date (day/month/year) 16/12/1998 PCT/GB 98/03775 Applicant UNIVERSITY OF SOUTHAMPTON et al.

1. χ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later). Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2

Authorized officer

NL-2280 HV Rijswijk

Cornelia Schulze

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Form PCT/ISA/220 (July 1998)

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international politication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (c ntinued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."

"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."

- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added. or
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

M.H

PATENT COOPERATION TREATY

PCT

REC'D	1 0 JAN 2000
WIPO	PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

						···
Applicant's or ager 545P78017	nt's file reference	FOR FURTHER AC	TION		ation of Transmittal of Internati Examination Report (Form PC	
International applic	International filing date (da	ay/month	/year)	Priority date (day/month/yea	ur)	
PCT/GB98/037		16/12/1998		,	16/12/1997	
International Pater C07C237/10	nt Classification (IPC) or n	ational dassification and IPC	-			
Applicant UNIVERSITY	OF SOUTHAMPTON	l et al.				
This internal and is trans	tional preliminary exam mitted to the applicant	nination report has been paccording to Article 36.	orepared	by this Inte	rnational Preliminary Exam	nining Authority
2. This REPO	RT consists of a total o	of 5 sheets, including this	cover s	heet.		
been a (see Ri	mended and are the ba	asis for this report and/or a 607 of the Administrative	sheets c	ontaining re	n, claims and/or drawings octifications made before the PCT).	which hav iis Auth rity
3. This report	contains indications re	lating to the following item	ns:			
	Priority					
III 🖾	Non-establishment of	opinion with regard to no	velty, inv	ventive step	and industrial applicability	
ıv 🗆	Lack of unity of invent	tion				
v 🛭	Reasoned statement citations and explana	under Article 35(2) with re tions suporting such state	egard to ement	novelty, inv	entive step or industrial app	plicability;
vı 🗆	Certain documents c					
VII 🗆	Certain defects in the	international application				
VIII 🛛	Certain observations	on the international applic	cation			
Date of submission	on of the demand		Date of	completion of	this report	
12/07/1999					0 5. 01. 00	<u> </u>
preliminary exam	-	nal	Authori	zed officer		S. S
D-80	opean Patent Office 0298 Munich +49 89 2399 - 0 Tx: 5236	856 epmu d	Сооре	er, S		
	+49 89 2399 - 4465	·	Telepho	one No. +49 8	9 2399 8323	Dire De

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB98/03775

I. Basi	s of the	rep ri	t
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1.	resp	This report has been drawn on the basis of (<i>substitute sheets which have been furnished to the receiving Office in</i> Desponse to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to The report since they do not contain amendments.):					
	Des	cription, pages:					
	1-43	3	as originally filed				
	Clai	ms, No.:					
	1-18	3	as originally filed				
2.	The	amendments have	e resulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				
3.		This report has be considered to go	een established as if (some of) the amendments had not been made, since they hav been beyond the disclosure as filed (Rule 70.2(c)):				
4.	Add	litional observatior	ns, if necessary:				
Ш	l. N oi	n-establishment o	of opinion with regard to novelty, inventive step and industrial applicability				
T 0	he qu r to b	estions whether the industrially application	ne claimed invention appears to be novel, to involve an inventive step (to be non-obvious), cable have not been examined in respect of:				
		the entire interna	tional application.				
	×	claims Nos. 18.					
b	ecau	se:					
	×	the said internati	onal application, or the said claims Nos. 18 relate to the following subject matter which doe ternational preliminary examination (specify):				

International application No. PCT/GB98/03775

see	separat	sheet
-----	---------	-------

the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):
the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
no international search report has been established for the said claims Nos

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes:

Claims 1-18

No:

Claims

Inventive step (IS)

Yes: Claims 1-18

No:

Claims

Industrial applicability (IA)

Yes:

Claims 1-17

No: Claims

2. Citations and explanations

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether th claims are fully supported by the description, are made:

see separate sheet

Section III.

- For the assessment of the present claim 18 on the question whether they are 1). industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claim. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.
- Claim 18 relates to subject-matter considered by this Authority to be covered by 2). the provisions of Rule 67.1(iv) PCT. Consequently no opinion will be formulated with respect to industrial applicability of the subject-matter of this claim.

Section V.

D1 = WO-A-9 100 853

- The present claims relate to derivatives of L-amino acids. Some compounds 1). according to D1 have a chemical formula which falls under the present general formula ((B) on p.15, (R) on p.17 which corresponds to the present compound (A), (BB) on p.19 and (OO) on p.20 which corresponds to the present compound B) and the general chemical formula of D1 overlaps with the present general formula. However, D1 is not considered to disclose the present L-configuration of the amino acid moiety. The most specific instructions on how to prepare compounds according to D1 (and the most relevant to the present application) are given at the top of p.33 and relate to the preparation of specific compounds falling under the present general chemical formula. Although these preparations start from the Lamino acid the conditions are such (highly basic) that it is believed that racemisation of the amino acid moiety would occur. Thus D1 is not considered to disclose present compounds with the amino acid in the L-configuration and the present claims are novel.
- The present claims are considered to be inventive because the compounds 2). involved have been shown to have neuroprotective properties. This property could not have been derived from D1: indeed, the properties of the compounds disclosed there even teach away from the presently disclosed property as they are

International application No. PCT/GB98/03775

EXAMINATION REPORT - SEPARATE SHEET

neurotoxic (see e.g. compound (B) on p.15). The IPEA speculates that this may be due to the influence of the compounds based on the D-amino acid presumed to be present in the compounds of D1 and not present in the present compounds.

Section VIII.

The extent of the term "aromatic amino acid residue" in the definition of Z in claim 1 is unclear and should be replaced by the text on p.17, lines 6 and 7.



10 JAN 2103

From th
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

TUBBY, David G.
MARKS & CLERK
57-60 Lincoln's Inn Fields
London WC2A 3LS
GRANDE BRETAGNE

RECEIVED PC

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

Date of mailing (day/month/year)

0 5. 01. 00

Applicant's or agent's file reference 545P78017

International filing date (day/month/year)

Priority date (day/month/year) 16/12/1997

IMPORTANT NOTIFICATION

International application No. PCT/GB98/03775

16/12/1998

Applicant

UNIVERSITY OF SOUTHAMPTON et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

Authorized officer

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 Roche, S

Tel.+49 89 2399-8031



PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

App	licant's or	ager	nt's file reference		See Notific	ation of Transmittal of International
545P78017				FOR FURTHER ACTION	Preliminary	y Examination Report (Form PCT/IPEA/416)
Inter	mational	applic	ation No.	International filing date (day/mon	th/year)	Priority date (day/month/year)
PC	T/GB98	3/037	775	16/12/1998	-	16/12/1997
CO:	rnational 7C237/		nt Classification (IPC) or i	national classification and IPC		
UN	IIVERS	TY (OF SOUTHAMPTO	N et al.		
1.	This in	terna	tional preliminary exa mitted to the applican	mination report has been prepar t according to Article 36.	ed by this Into	ernational Preliminary Examining Authority
2.	This R	EPO	RT consists of a total	of 5 sheets, including this cover	sheet.	
	be (se	en a ee Ri	mended and are the b	pasis for this report and/or sheets 607 of the Administrative Instru	containing r	on, claims and/or drawings which hav ectifications made before this Authority he PCT).
3.	This re	eport		elating to the following items:		
	1	×	Basis of the report			
	II		Priority	e e e e e e e e e e e e e e e e e e e	invantiva atau	and industrial applicability
	111	N N		of opinion with regard to novelty,	mventive step	o and muusinar applicability
	V	Ø	Lack of unity of inver- Reasoned statement citations and explan-		to novelty, inv	ventive step or industrial applicability;
	VI		Certain documents			
	VII		Certain defects in th	e international application		
	VIII	⊠	Certain observations	s on the international application		
Da	ite of sub	missi	on of the demand	Date	of completion of	
12	2/07/199	99				0 5. 01. 00
Na	ame and a	ехал	g address of the internati ining authority: opean Patent Office		orized officer	The state of the s
		D-8	0298 Munich		per, S	
Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465				phone No. +49	89 2399 8323	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB98/03775

		is of the report			
1.	resp	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):			
	Des	cription, pages:			
	1-43	1	as originally filed		
	Clai	ms, No.:			
	1-18	3	as originally filed		
			we will all in the empoliption of		
2.	The	amendments have	e resulted in the cancellation of:		
		the description,	pages:		
		the claims,	Nos.:		
		the drawings,	sheets:		
3.		This report has be considered to go	een established as if (some of) the amendments had not been made, since they have been beyond the disclosure as filed (Rule 70.2(c)):		
4.	. Add	litional observation	ns, if necessary:		
11	l. Noi	n-establishment o	of opinion with regard to novelty, inventive step and industrial applicability		
T 0	he qu r to b	restions whether the industrially applic	ne claimed invention appears to be novel, to involve an inventive step (to be non-obvious), cable have not been examined in respect of:		
		the entire internal	tional application.		
	×	claims Nos. 18.			
b	ecaus	se:			
	×	the said internation	onal application, or the said claims Nos. 18 relate to the following subject matter which does emational preliminary examination (<i>specify</i>):		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB98/03775

s e	sec	arate	she	t
-----	-----	-------	-----	---

he description, claims or drawings (<i>indicate particular elements below</i>) or said claims Nos. are so unclear hat no meaningful opinion could be formed (<i>specify</i>):			
the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.			
no international search report has been established for the said claims Nos			

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes:

Claims 1-18

No:

Claims

Inventive step (IS)

Yes: Claims 1-18

No:

Claims

Industrial applicability (IA)

Yes:

Claims 1-17

No: Claims

2. Citations and explanations

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Section III.

- For the assessment of the present claim 18 on the question whether they are 1). industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claim. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.
- Claim 18 relates to subject-matter considered by this Authority to be covered by 2). the provisions of Rule 67.1(iv) PCT. Consequently no opinion will be formulated with respect to industrial applicability of the subject-matter of this claim.

Section V.

D1 = WO-A-9 100 853

- The present claims relate to derivatives of L-amino acids. Some compounds 1). according to D1 have a chemical formula which falls under the present general formula ((B) on p.15, (R) on p.17 which corresponds to the present compound (A), (BB) on p.19 and (OO) on p.20 which corresponds to the present compound B) and the general chemical formula of D1 overlaps with the present general formula. However, D1 is not considered to disclose the present L-configuration of the amino acid moiety. The most specific instructions on how to prepare compounds according to D1 (and the most relevant to the present application) are given at the top of p.33 and relate to the preparation of specific compounds falling under the present general chemical formula. Although these preparations start from the Lamino acid the conditions are such (highly basic) that it is believed that racemisation of the amino acid moiety would occur. Thus D1 is not considered to disclose present compounds with the amino acid in the L-configuration and the present claims are novel.
- The present claims are considered to be inventive because the compounds 2). involved have been shown to have neuroprotective properties. This property could not have been derived from D1: indeed, the properties of the compounds disclosed there even teach away from the presently disclosed property as they are

INTERNATIONAL PRELIMINARY

International application No. PCT/GB98/03775

EXAMINATION REPORT - SEPARATE SHEET

neurotoxic (see e.g. compound (B) on p.15). The IPEA speculates that this may be due to the influence of the compounds based on the D-amino acid presumed to be present in the compounds of D1 and not present in the present compounds.

Section VIII.

The extent of the term "aromatic amino acid residue" in the definition of Z in claim 1 is unclear and should be replaced by the text on p.17, lines 6 and 7.

TERNATIONAL PRELIMINARY EXAMIN	NING AUTHORITY	PCI			
TUBBY, David G. MARKS & CLERK 57-60 Lincoln's Inn Fields London WC2A 3LS GRANDE BRETAGNE	Da Da	OF DEMAND I PRELIMINA	IFICATION OF RECEIPT BY COMPETENT INTERNATIONAL ARY EXAMINING AUTHORITY les 59.3(e) and 61.1(b), first sentence histrative Instructions, Section 601(a))		
Applicant's or agent's file reference		IMPO	RTANT NOTIFICATION		
545P78017 International application No. I PCT/ GB 98/ 03775	nternational filing date (da	yjmonthjyear)	Priority date (<i>day month year</i>) 16/12/1997		
Applicant UNIVERSITY OF SOUTHAMPT	ON et al.				
The applicant is hereby notified that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application: 12/07/1999					
2. This date of receipt is: the actual date of receipt of the demand by this Authority (Rule 61.1(b)). the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)). the date on which this Authority has, in response to the invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections.					
3. ATTENTION: That date of receipt is AFTER the expiration of 19 months from the priority date. Consequently, the election(s) made in the demand does (do) not have the effect of postponing the entry into the national phase until 30 election(s) made in the demand does (do) not have the effect of postponing the entry into the national months from the priority date (or later in some Offices) (Article 29(1)). Therefore, the acts for entry into the national months from the priority date (or later in some Offices) (Article 22). For details, see the PCT Applicant's Guide, Volume II.					
(If applicable) This notifies on:	ication confirms the inform	nation given by tel	ephone, facsimile transmission or in person		
4. Only where paragraph 3 applies, a o	copy of this notification has	s been sent to the	International Bureau.		
Name and mailing address of the IPEA/ European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465 Authorized officer Reilo Orisla Telephone No.					

The demand must be filed directly we competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA • EP 12 July 1999

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For	r International Preliminar	y Examining Authori	ty use only	
		Date of receipt of D		
Identification of IPEA		Date of receipt of E		
Box No. I IDENTIFICATION OF T	HE INTERNATIONAL	APPLICATION	Applicant's or agent's file reference 545P78017	
International application No.	International filing da	ite (day/month/year)	(Earliest) Priority date (day/month/year)	
PCT/GB98/03775	16 Dec 1998 (16.1	2.98)	16 Dec 1997 (16.12.97)	
Title of invention			•	
Neuroprotective Agents				
Box No. II APPLICANT(S)				
Name and address: (Family name followed by The address must include p	given name; for a legal entity. I postal code and name of countr	full official designation. y.)	Telephone No.:	
University of Southampton Highfield			Facsimile No.:	
Southampton				
Hampshire SO17 1BJ United Kingdom		•	Teleprinter No.:	
Onico ranges	· · · · · · · · · · · · · · · · · · ·			
State (that is, country) of nationality:		State (that is, country) of residence: GB		
GB				
Name and address: (Family name followed by	given name; for a legal entity.	full official designation. T	he address must include postal code and name of country.)	
Pringle, Ashley Ker 7 Chine Avenue				
Bitteme				
Southampton				
Hampshire SO19 7JF United Kingdom				
Office Kingdom				
State (that is, country) of nationality:		State (that is, countr	y) of residence:	
GB		GB		
Name and address: (Family name followed by	given name; for a legal entity.	full official designation. T	he address must include postal code and name of country.)	
Bradley, Mark				
9 Church Street Shirley				
Southampton				
Hampshire SO15 5LW				
United Kingdom				
State (that is, country) of nationality:		State (that is, countr	y) of residence:	
GB		GB		
Further applicants are indicated or	a continuation sheet.			

Sheet No. 2..

International application No. PCT/GB98/03775

Continuation of B x No. II APPLICANT(S)					
If none of the following sub-boxes is used, this sheet should not be included in the demand.					
Name and address: (Family name followed by given name; for a legal entity, for Sundstrom, Lars Eric Malt House, Kiln Lane Old Alresford Hampshire SO24 9DU United Kingdom	full official designation. The address must include postal code and name of country.)				
State (that is, country) of nationality: SE/US	State (that is, country) of residence: GB				
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) lannotti, Fausto 63 Canon Street Winchester Hampshire SO23 9JW United Kingdom					
State (that is, country) of nationality:	State (that is, country) of residence: GB				
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)					
State (that is, country) of nationality:	State (that is, country) of residence:				
Name and address: (Family name followed by given name; for a legal entity, j	full official designation. The address must include postal code and name of country.)				
State (that is, country) of nationality:	State (that is, country) of residence:				
Further applicants are indicated on another continuation shee	et.				

Sheet No.3...

International application No. PCT/GB98/03775

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The following person is agent common representative				
and 🗶 has been appointed earlier and represents the applicant(s) also for international pre	liminary examination.			
is hereby appointed and any earlier appointment of (an) agent(s)/common represer	ntative is hereby revoked.			
is hereby appointed, specifically for the procedure before the International Prelimi the agent(s)/common representative appointed earlier.	nary Examining Authority, in addition to			
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)	Telephone No.:			
Tubby, David George	0171-400-3000			
Marks & Clerk	Facsimile No.:			
57-60 Lincoln's Inn Fields	0171-404-4910			
London WC2A 3LS United Kingdom	Teleprinter No.:			
	25311 EMANDC G			
A Laborator common res				
Address for correspondence: Mark this check-box where no agent or common repspace above is used instead to indicate a special address to which correspondence	should be sent.			
Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION				
Statement concerning amendments:*				
1. The applicant wishes the international preliminary examination to start on the basis of				
the international application as originally filed				
the description as originally filed				
as amended under Article 34				
the claims as originally filed				
as amended under Article 19 (together with any accompanying	g statement)			
as amended under Article 34				
the drawings as originally filed				
as amended under Article 34				
2. The applicant wishes any amendment to the claims under Article 19 to be consider	red as reversed.			
l ——				
3. The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). (This checkbox may be marked only where the time limit under Article 19 has not yet expired.)				
* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.				
Language for the purposes of international preliminary examination: English				
which is the language in which the international application was filed.				
which is the language of a translation furnished for the purposes of international search.				
which is the language of publication of the international application.				
which is the language of the translation (to be) furnished for the purposes of international preliminary examination.				
Box No. V ELECTION OF STATES				
The applicant hereby elects all eligible States (that is, all States which have been designated and which are bound by Chapter II of				
the PCT) excluding the following States which the applicant wishes not to elect:				
excluding the tollowing outlook which the approved				

Sheet No. 4...

International application No. PCT/GB98/03775

Box No. VI CHECK LIST					
The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination: For International Preliminary Examining Authority use only					
translation of international application	:	sheets	received	not received	
amendments under Article 34	:	sheets			
copy (or, where required, translation) of					
amendments under Article 19	:	sheets			
 copy (or, where required, translation) of statement under Article 19 	:	sheets			
5. letter	· •	sheets			
6. other (specify)	:	sheets			
The demand is also accompanied by the item(s) n	narked below:				
1. X fee calculation sheet		4. statement e	xplaining lack of signa	ature	
separate signed power of attorney			and or amino acid sequeadable form	uence listing in	
3. copy of general power of attorney;	,	6. other (spec			
reference number, if any:	· · · · · · · · · · · · · · · · · · ·		-		
Box No. VII SIGNATURE OF APPLICANT,				s from reading the demand).	
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).					
EJGGQ.					
Godwin, Edgar James					
for Tubby, David George					
For Internat	ional Preliminary Ex	camining Authority t	ise only		
Date of actual receipt of DEMAND:					
Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):					
The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply. The applicant has been informed accordingly.					
4. The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.					
Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.					
	For International B	Bureau use only			
Demand received from IPEA on:					

PCT

REQUEST

For receiving Office use only
}
International Application No.
International Filing Date
Name of receiving Office and "PCT International Application"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"			
	Applicant's or agent's file reference (if desired) (12 characters maximum) 545P78017			
Box No. I TITLE OF INVENTION				
NEUROPROTECTIVE AGENTS				
Box No. II APPLICANT				
Name and address: (Family name followed by given name; for a legal e The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of re	ntity, full official designation. f the address indicated in this sidence is indicated below.) This person is also inventor.			
University of Southampton Highfield Southampton	Telephone No.			
Hampshire SO17 1BJ United Kingdom	Facsimile No.			
	Teleprinter No.			
State (that is, country) of nationality: GB	State (that is, country) of residence:			
This person is applicant for the purposes of:	d States except ates of America only the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)			
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of resi Pringle, Ashley Ker 7 Chine Avenue Bitterne Southampton Hampshire SO19 7JF United Kingdom State (that is, country) of nationality:	applicant only applicant and inventor inventor only (If this check-bax is marked, do not fill in below.)			
GB	State (that is, country) of residence: GB			
	tes of America of America only the Supplemental Box			
Further applicants and/or (further) inventors are indicated on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The person identified below is hereby/has been appointed to act on of the applicant(s) before the competent International Authorities as	common representative			
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of c	ty, full official designation. Telephone No.			
Tubby, David George Marks & Clerk	0171-400-3000			
57-60 Lincoln's Inn Fields	Facsimile No.			
London WC2A 3LS	0171-404-4910			
United Kingdom	Teleprinter No. 25311 EMANDC G			
Adress for correspondence: Mark this check-box where no as space above is used instead to indicate a special address to which				
space above is used instead to indicate a special address to white Form PCT/RO/101 (first sheet) (July 1998)	ch correspondence should be sent.			

See Notes to the request form

Sheet	No	2

Continuation of Box No. II FURTHER APPLICANTS	AND/OR (FURTHER) INVENTORS			
If none of the following sub-boxes is used, this sheet should not be included in the request.				
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Bax is the applicant's State (that is, country) of residence if no State of Bradley, Mark 9 Church Street Shirley Southampton Hampshire SO15 5LW United Kingdom	the entity, full official designation, to of the address indicated in this residence is indicated below.) This person is: applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality: GB	State (that is, country) of residence: GB			
This person is applicant all designated for the purposes of:	the United States States of America of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name: for a legal The address must include postal code and name of country. The country box is the applicant's State (that is, country) of residence if no State of no Sundstrom, Lars Eric Malt House, Kiln Lane Old Alresford Hampshire SO24 9DU United Kingdom	entity, full official designation. of the address indicated in this esidence is indicated below.) This person is: applicant only special properties of the control of the check-box is marked, do not fill in below.)			
State (that is, country) of nationality: SE/US	State (that is, country) of residence: GB			
This person is applicant all designated all designated for the purposes of:	if States except ales of America of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name: for a legal et the address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of re	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality:	State (that is, country) of residence:			
	the Supplemental Box			
ame and address: (Family name followed by given name; for a legal ent he address must include postal code and name of country. The country of i ox is the applicant's State (that is, country) of residence if no State of residence if no State of residence.	ity, full official designation. he address indicated in this dence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
ate (that is, country) of nationality:	State (that is, country) of residence:			
is person is applicant all designated all designated the purposes of: all designated the United States	es of America only the Supplemental Box			
Further applicants and/or (further) inventors are indicated on	another continuation sheet.			

	No.V DESIGNATION OF STATES								
The f	ollow	ing designations are hereby made under Rule 4.90	(a) (n	nark th	e applicable check-boxes; at least one must be marked):				
Regio									
Kegit X	۸D	ADIPO Patent: GH Ghana GM Gambia KEKenya	LSI	esoth	no. MW Malawi, SD Sudan, SZ Swaziland, UG Uganda,				
E		ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT							
X	EA	Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT							
X	EP	European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT							
X	OA	OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)							
National Patent (if other kind of protection or treatment desired, specify on dotted line):									
X		Albania	X	ĹS	Lesotho				
X		Armenia	X		Lithuania				
X		Austria	X	LU	Luxembourg				
X		Australia	X	LV	Latvia				
X		Azerbaijan	\boxtimes	MD	Republic of Moldova				
X		Bosnia and Herzegovina	X		Madagascar				
X		Barbados	$\overline{\mathbf{x}}$		The former Yugoslav Republic of Macedonia				
[X]		Bulgaria							
[X]		Brazil	X	MN	Mongolia				
[X]		Belarus	 X		Malawi				
[2]		Canada	X	MX	Mexico				
<u> </u>		and LI Switzerland and Liechtenstein	X		Norway				
X E		China	X		New Zealand				
X		Cuba	X	PL	Poland				
[X]		Czech Republic	X	PT	Portugal				
[X]		Germany	X	RO					
[X]		Denmark	X		Russian Federation				
N N		Estonia	\mathbf{x}	SD	Sudan				
E E	ES	Spain	X	SE	Sweden				
[<u>x</u>]	FI	Finland	X	SG	Singapore				
[X]		United Kingdom	X	SI	Slovenia				
X		Georgia	X	SK	Slovakia				
X		Ghana	X	SL	Sierra Leone				
X		Gambia	X	TJ	Tajikistan				
		Guinea-Bissau	X	TM	Turkmenistan				
×		Croatia	X		Turkey				
X		Hungary	X	TT					
×	ID	Indonesia	X	UA	Ukraine				
[X]	IL	Israel	X		Uganda				
X	IS	Iceland	X		United States of America				
X	JP	Japan							
122	-	Kenya	X	UZ	Uzbekistan				
X		Kyrgyzstan	X		Viet Nam				
<u> </u>		Democratic People's Republic of Korea	X	YU	Yugoslavia				
			X		Zimbabwe				
X	KR	Republic of Korea	Che	ck-ho	wes reserved for designating States (for the purposes of				
X		Kazakhstan	a na	tional	patent) which have become party to the PC1 after				
X		Saint Lucia issuance of this sheet:							
(<u>X</u>		Sri Lanka	X		GD Grenada				
		Liberia IN India							
	т.г.	Liveria		· · · ·	1 D. 1 Of Market				

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.

Sheet No. 4

No. VI PRIORITY CLAIM Further priority claims are indicated in the Supplemental									
Filing date	Number	Where earlier application is:							
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* in regional Office	nternational application: receiving Office					
item (1)									
16 Dec 97 (16.12.1997)	9726569.8	United Kingdom							
item (2)									
item (3)									
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):									
 Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box. 									
Box No. VII INTERNATIONAL SEARCHING AUTHORITY									
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are search to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):									
the Authority chosen: the two-letter code may be used): Date (day/month/year) Number Country (or regional Office)									
Box No. VIII CHECK LIST	; LANGUAGE OF FILI	NG							
This international application c	ontains This internation		nied by the item(s) marked	below:					
the following number of sheet	's:	1. X fee calculation sheet							
request :4	2. separate	2. separate signed power of attorney							
description (excluding sequence listing part) : 43	ı —	3. copy of general power of attorney, reference number, if any:							
claims :6	4. statemen	4. statement explaining lack of signature							
abstract :1	5. priority d	5. priority document(s) identified in Box No. VI as item(s):							
drawings :		slation of international application into (language):							
sequence listing part	7. separate	7. separate indications concerning deposited microorganism or other biological material							
of description :	-	8. nucleotide and/or amino acid sequence listing in computer readable form							
Total number of sheets: 54	9. 😿 other (spe	ecify): Form 23/77	<u> </u>						
Figure of the drawings which should accompany the abstract:		inguage of filing of the ternational application:	English						
Box No. IX SIGNATURE OF APPLICANT OR AGENT									
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).									
11.									
Lord, Hilton David on behalf of Tubby, David George									
1. Date of actual receipt of the purported international application: For receiving Office use only 2. Drawings									
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:									
4. Date of timely receipt of the required corrections under PCT Article 11(2):									
5. International Searching Auti (if two or more are competer	hority TCA /		tal of search copy delayed ch fee is paid.						
For International Bureau use only									
Date of receipt of the record copy by the International Bureau:									